

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 in accordance with the following:

1. (CURRENTLY AMENDED) A noise countermeasure determination method by a computer for determining a noise countermeasure with respect to an analyzing circuit that is to be analyzed for a user of the circuit , comprising:

obtaining an analyzing circuit judgement result by the computer ~~result~~ by judging acceptability of the analyzing circuit based on a comparison of features of the analyzing circuit and a plurality of transmission circuit topologies into which the analyzing circuit is categorizable depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies; and

outputting an improvement proposal from the computer to the user for making the analyzing circuit closer to one of basic types of the transmission circuit topologies depending on the analyzing circuit judgement result.

2. (PREVIOUSLY PRESENTED) The noise countermeasure determination method as claimed in claim 1, further comprising:

calculating transmission characteristic values of the analyzing circuit based on calculation formulas depending on the judgement result of said obtaining an analyzing circuit judgement and the transmission circuit topologies;

obtaining a characteristic value judgement result by judging acceptability of the transmission characteristic values, based on judging values;

analyzing an error cause by referring to an error cause file which indicates the error causes depending on error items, using the characteristic value judgement result; and

selecting and outputting an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said analyzing an error cause.

3. (PREVIOUSLY PRESENTED) The noise countermeasure determination method

as claimed in claim 2, further comprising:

- analyzing the transmission waveform of the analyzing circuit using a waveform analyzing tool;

- obtaining a waveform judgement result by judging acceptability of the transmission waveform, based on the judging values;

- analyzing the error cause by referring to the error cause file, using the waveform judgement result; and

- selecting and outputting an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said analyzing the error cause.

4. (PREVIOUSLY PRESENTED) The error countermeasure determination method as claimed in claim 1, further comprising:

- analyzing the transmission waveform of the analyzing circuit using a waveform analyzing tool;

- obtaining a waveform judgement result by judging acceptability of the transmission waveform, based on judging values;

- analyzing an error cause by referring to an error cause file which indicates the error causes depending on error items, using the waveform judgement result; and

- selecting and outputting an improvement proposal by referring to the improvement proposal file, using the error cause analyzed by said analyzing an error cause.

5. (PREVIOUSLY PRESENTED) The noise countermeasure determination method as claimed in claim 1, further comprising:

- judging the transmission circuit topology of the analyzing circuit, by referring to a circuit feature file which stores feature information used for judging the transmission circuit topology.

6. (PREVIOUSLY PRESENTED) A noise countermeasure determination apparatus for determining a noise countermeasure for a user with respect to an analyzing circuit that is to be analyzed, said noise countermeasure determination apparatus comprising:

- a circuit acceptability judging and output part configured to obtain an analyzing circuit judgement result by judging acceptability of the analyzing circuit based on a comparison of features of the analyzing circuit and a plurality of transmission circuit topologies into which the analyzing circuit is categorizable depending on manners in which wiring are connected, wherein

a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies, and to output an improvement proposal to the user for making the analyzing circuit closer to one of basic types of the transmission circuit topologies depending on the analyzing circuit judgement result.

7. (PREVIOUSLY PRESENTED) The noise countermeasure determination apparatus as claimed in claim 6, further comprising:

a calculating part configured to output transmission characteristic values of the analyzing circuit based on calculation formulas depending on the judgement result of said circuit acceptability judging and output part and the transmission circuit topologies;

a characteristic value judging part configured to obtain a characteristic value judgement result by judging acceptability of the transmission characteristic values, based on judging values;

a first error cause analyzing part configured to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the characteristic value judgement result; and

a first improvement proposal selecting and outputting part configured to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said first error cause analyzing part.

8. (PREVIOUSLY PRESENTED) The noise countermeasure determination apparatus as claimed in claim 7, further comprising:

a waveform analyzing part configured to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging part configured to obtain a waveform judgement result by judging acceptability of the transmission waveform, based on the judging values;

a second error cause analyzing part configured to analyze the error cause by referring to the error cause file, using the waveform judgement result; and

a second improvement proposal selecting and outputting part configured to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said second error cause analyzing part.

9. (PREVIOUSLY PRESENTED) The error countermeasure determination apparatus as claimed in claim 6, further comprising:

- a waveform analyzing part configured to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;
- a waveform judging part configured to obtain a waveform judgement result by judging acceptability of the transmission waveform, based on judging values;
- an error cause analyzing part configured to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the waveform judgement result; and
- an improvement proposal selecting and outputting part configured to select and output an improvement proposal by referring to the improvement proposal file, using the error cause analyzed by said error cause analyzing part.

10. (PREVIOUSLY PRESENTED) The noise countermeasure determination apparatus as claimed in claim 6, further comprising:

- a topology judging part configured to judge the transmission circuit topology of the analyzing circuit, by referring to a circuit feature file which stores feature information used for judging the transmission circuit topology.

11. (PREVIOUSLY PRESENTED) computer-readable storage medium which stores a program for causing a computer to determine a noise countermeasure for a user with respect to an analyzing circuit that is to be analyzed, said program comprising:

- a circuit acceptability judging and output procedure which causes the computer to obtain an analyzing circuit judgement result by judging acceptability of the analyzing circuit based on a comparison of features of the analyzing circuit and a plurality of transmission circuit topologies into which the analyzing circuit is categorizable depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the transmission circuit topologies, and to output an improvement proposal to the user for making the analyzing circuit closer to one of basic types of the transmission circuit topologies depending on the analyzing circuit judgement result.

12. (ORIGINAL) The computer-readable storage medium as claimed in claim 11, wherein said program further comprises:

- a calculating procedure which causes the computer to calculate transmission

characteristic values of the analyzing circuit based on calculation formulas depending on the judgement result of said circuit acceptability judging and output means and the transmission circuit topologies;

a characteristic value judging procedure which causes the computer to obtain a characteristic value judgement result by judging acceptability of the transmission characteristic values, based on judging values;

a first error cause analyzing procedure which causes the computer to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the characteristic value judgement result; and

a first improvement proposal selecting and outputting procedure which causes the computer to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said first error cause analyzing means.

13. (PREVIOUSLY PRESENTED) The computer-readable storage medium as claimed in claim 12, wherein said program further comprises:

a waveform analyzing procedure which causes the computer to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging procedure which causes the computer to obtain a waveform judgement result by judging acceptability of the transmission waveform, based on the judging values;

a second error cause analyzing procedure which causes the computer to analyze the error cause by referring to the error cause file, using the waveform judgement result; and

a second improvement proposal selecting and outputting procedure which causes the computer to select and output an improvement proposal by referring to an improvement proposal file which indicates improvement proposals depending on the error causes, using the error cause analyzed by said second error cause analyzing means.

14. (PREVIOUSLY PRESENTED) The computer-readable storage medium as claimed in claim 11, wherein said program further comprises:

a waveform analyzing procedure which causes the computer to analyze the transmission waveform of the analyzing circuit using a waveform analyzing tool;

a waveform judging procedure which causes the computer to obtaining a waveform judgement result by judging acceptability of the transmission waveform, based on judging

values;

an error cause analyzing procedure which causes the computer to analyze an error cause by referring to an error cause file which indicates the error causes depending on error items, using the waveform judgement result; and

an improvement proposal selecting and outputting procedure which causes the computer to select and output an improvement proposal by referring to the improvement proposal file, using the error cause analyzed by said error cause analyzing means.

15. (ORIGINAL) The computer-readable storage medium as claimed in claim 11, wherein said program further comprises:

a topology judging procedure which causes the computer to judge the transmission circuit topology of the analyzing circuit, by referring to a circuit feature file which stores feature information used for judging the transmission circuit topology.

16. (PREVIOUSLY PRESENTED) A method for determining a noise countermeasure

by a computer for a user of an analyzing circuit, the method comprising:

categorizing the analyzing circuit by the computer into a plurality of transmission circuit wiring topologies depending on manners in which wirings are connected, wherein a transmission waveform of the analyzing circuit differs depending on each of the topologies;

comparing features of the analyzing circuit and the topologies by the computer; and

outputting a noise countermeasure improvement proposal from the computer to the user for making the analyzing circuit closer to one of basic types of the topologies based on the comparison.

17. (PREVIOUSLY PRESENTED) A circuit topology for a noise countermeasure proposal for a user of an analyzing circuit, comprising:

a circuit topology selectable by a computer from a plurality of transmission circuit topologies,

wherein a transmission waveform of the analyzing circuit differs depending on each of the plurality of transmission circuit topologies, and a selected circuit topology, and outputted to the user, results in a lower noise than other of the plurality of transmission circuit topologies.

18. (PREVIOUSLY PRESENTED) The circuit topology according to claim 17,

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wherein the circuit topology is only for a printed circuit board.